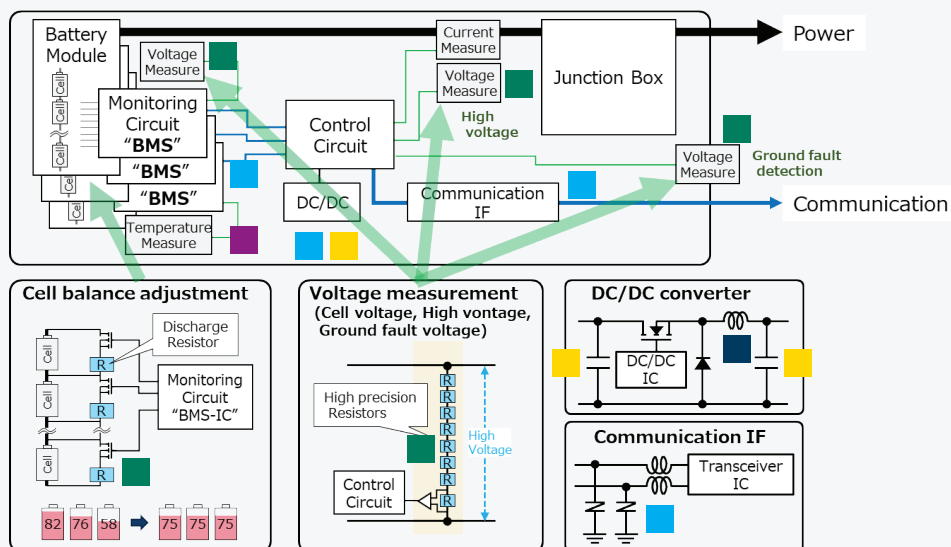


Battery Management System

A battery management system (BMS) is any electronic system that manages a rechargeable battery (cell or battery pack), such as by protecting the battery from operating outside its safe operating area monitoring its state. Panasonic provides devices best suited to customer's needs, such as thermistors, varistors, capacitors, power inductors and resistors.

Block Diagram:



Our devices

Resistors



Inductors



Capacitors



Varistor



Thermistor



Design consideration:

- EMI/EMC performance
- Voltage and current rating
- High reliability
- Heat dissipation properties

Recommended product:

- High Voltage & High precision resistors series: [ERJPM8](#) / [V8K](#) / [ERA8P](#) / [ERA*V](#) / [ERJB](#)
- LP Inductors: [ETQP4M*KVK](#) / [ETQP4M*KVC](#) / [ETQP3M*KVC](#) / [ETQP3M*KVN](#)
- Capacitors: [TP series EEETP*](#) / [ZC series EEHZC*](#) / [ZKU series EEHZK*](#)
- Circuit protection: [Thermistor ERTJ*](#) / [Varistor ERZJP*](#)

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